WHAT IS CLAIMED IS:

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- 1. A New Guinea impatiens plant comprising a flower having at least one petal which exhibits a striped pattern.
- 2. The New Guinea impatiens plant of claim 1, wherein the plant has a pedigree which includes the plant 1865 or 2581.
 - 3. Pollen of the plant of claim 1.
 - 4. An ovule of the plant of claim 1.
 - 5. A tissue culture comprising regenerable cells of the plant of claim 1.
 - 6. A cutting of the plant of claim 1.
- 7. A method for producing a New Guinea impatiens plant having a flower with at least one petal which exhibits a striped pattern, the method comprising the steps of irradiating a New Guinea impatiens plant with electromagnetic radiation or ion beams and selecting a shoot from said plant containing a flower having at least one petal which exhibits a striped pattern.
- 8. The method of claim 7 wherein the New Guinea impatiens plant is a cutting or a whole plant.
- 9. The method of claim 7 wherein the New Guinea impatiens plant is irradiated with gamma rays, x-rays or ultraviolet rays.
- The method of claim 7 wherein the New Guinea impatiens plant is irradiated with from about 1.5 to about 3.5 krads of electromagnetic radiation or ion beams.

- 11. A New Guinea impatiens plant comprising a flower having at least one petal which exhibits a striped pattern produced by the method of claim 7.
 - 12. Pollen of the plant of claim 11.

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- 13. An ovule of the plant of claim 11.
- 14. A tissue culture comprising regenerable cells of the plant of claim 11.
- 15. A cutting of the plant of claim 11.
- 16. A method for producing a New Guinea impatiens plant having a flower with at least one petal which exhibits a striped pattern, the method comprising the steps of: treating a New Guinea impatiens plant with a chemical mutagen and selecting a shoot from said plant containing a flower having at least one petal which exhibits a striped pattern.
- 17. The method of claim 16 wherein the New Guinea impatiens plant is a cutting or a whole plant.
- 18. The method of claim 16 wherein the chemical mutagen is ethyl methane sulphonate, methyl methane sulphonate, diethyl sulphate, nitrosoguanidine, ethylnitrosourea or methylnitrosourea.
- 19. A New Guinea impatiens plant comprising a flower having at least one petal which exhibits a striped pattern produced by the method of claim 16.
 - 20. Pollen of the plant of claim 19.

23. A cutting of the plant of claim 19.

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- A method for altering the color of the petals of a flower of a New Guinea impatiens plant, the method comprising the steps of: treating a New Guinea impatiens plant with electromagnetic radiation or ion beams and selecting a shoot from said plant containing a flower having at least one petal exhibiting an altered color.
- 25. The method of claim 24 wherein the New Guinea impatiens plant is a cutting or a whole plant.
- 26. The method of claim 24 wherein the New Guinea impatiens plant is irradiated with gamma rays, x-rays or ultraviolet rays.
- The method of claim 24 wherein the New Guinea impatiens plant is irradiated with from about 1.5 to about 3.5 krads of electromagnetic radiation or ion beams.
- 28. A New Guinea impatiens plant comprising a flower having at least one petal which exhibits an altered color produced by the method of claim 24.
- The New Guinea impatiens plant of claim 28, wherein the plant has a pedigree which includes the plant 2582.
 - 30. Pollen of the plant of claim 28.
 - 31. An ovule of the plant of claim 28.



- 32. A tissue culture comprising regenerable cells of the plant of claim 28.
- 33. A cutting of the plant of claim 28.
- 34. A method for altering the color of the petals of a flower of a New Guinea impatiens plant, the method comprising the steps of: treating a New Guinea impatiens plant with a chemical mutagen and selecting a shoot from said plant containing a flower having at least one petal exhibiting an altered color.
- 35. The method of claim 34 wherein the chemical mutagen is ethyl methane sulphonate, methyl methane sulphonate, diethyl sulphate, nitrosoguanidine, ethylnitrosourea or methylnitrosourea.
- 36. A New Guinea impatiens plant comprising a flower having at least one petal which exhibits an altered color produced by the method of claim 34.
 - 37. Pollen of the plant of claim 36.
 - 38. An ovule of the plant of claim 36.
 - 39. A tissue culture comprising regenerable cells of the plant of claim 36.
 - 40. A cutting of the plant of claim 36.

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